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Amendments to the Claims:

This listing of claims will replace all prior versions, and listings, of claims in

the application:

Listing of Claims:

1.-24. (Canceled)

25. (Currently Amended) A method for use in a code division multiple

access (CDMA) base station for providing multiple grades of service to a plurality of

subscriber units requesting traffic channels, the method comprising:

detecting requests for access from a plurality of subscriber units to transmit

data to or receive data from the base station using a plurality of traffic channels;

assigning a priority level for each of the detected requests, the priority level

associated with the subscriber unit transmitting the request, wherein the priority

level of the subscriber unit depends on the priority level of all inactive users, on a

continuity of resource demand and on historical usage of base station resources, and

wherein a ratio of subscriber units assigned to different priority levels is respected

independently of the total number of subscriber units assigned at each priority

<u>level</u>;

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comparing a time allocation of continuously used channel resources for each

of the subscriber units against a predetermined time threshold of allowed usage

and adjusting reducing the priority level when the predetermined time threshold is

exceeded; and

allocating at least one traffic channel to each of the subscriber units

requesting to transmit data to or receive data from the base station based on the

priority level of the subscriber unit, wherein a subscriber unit with a lower priority

level is allocated fewer traffic channels than a subscriber unit assigned a higher

priority level; and

assigning a lower priority level to a subscriber unit on a condition that the

time allocation of continuously used channel resources is higher than the

predetermined time threshold.

26-28. (Canceled)

29. (Previously Presented) The method of claim 25 wherein the

subscriber unit is assigned a higher priority level when the subscriber unit's

historical usage is lower than the time threshold for a predetermined period of time.

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30. (Previously Presented) The method of claim 29 wherein the higher

priority level results in the subscriber unit being allocated more traffic channels

than a subscriber unit assigned a lower priority level.

31. (Previously Presented) The method of claim 25, further comprising:

reserving at least one traffic channel for subscriber units having the lowest

priority level; and

creating a queue of detected requests from subscriber units with the lowest

priority level to ensure that subscriber units with the lowest priority level are

allocated the at least one traffic channel at predetermined times.

32. (Currently Amended) A code division multiple access (CDMA) base

station comprising:

circuitry configured to detect a request from a plurality of subscriber units to

transmit data to or receive data from the base station using a plurality of traffic

channels;

circuitry configured to assign a priority level for each of the detected

requests, the priority level associated with the subscriber unit transmitting the

request, wherein the priority level of the subscriber unit depends on the subscriber

unit's historical usage of base station resources, on the instantaneous demand for

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access and on a continuity of resource demand, wherein a ratio of subscriber units

assigned to different priority levels is respected independently of the total number

of subscriber units assigned at each priority level;

circuitry configured to compare a time allocation of continuously used

channel resources for each of the subscriber units against a predetermined time of

allowed usage threshold and to adjust reduce the priority level when the

predetermined time threshold is exceeded; and

circuitry configured to allocate the traffic channels to each of the subscriber

units requesting to transmit data to or receive data from the base station based on

the priority level of the subscriber unit, wherein a subscriber unit with a lower

priority level is allocated fewer traffic channels than a subscriber unit assigned a

higher priority level.

33. (Canceled)

(Previously Presented) The code division multiple access (CDMA) 34.

base station of claim 32 wherein the subscriber unit is assigned a lower priority

level when the subscriber unit's historical usage is higher than the time threshold

for a predetermined period of time.

(Canceled) 35.

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The code division multiple access (CDMA) 36. (Previously Presented)

base station of claim 32 wherein the subscriber unit is assigned a higher priority

level when the subscriber unit's historical usage is lower than the time threshold for

a predetermined period of time.

The code division multiple access (CDMA) 37. (Previously Presented)

base station of claim 36 wherein the higher priority level results in the subscriber

unit being allocated more traffic channels than a subscriber unit assigned a lower

priority level.

The code division multiple access (CDMA) 38. (Previously Presented)

base station of claim method of claim 32, further comprising:

circuitry configured to reserve at least one traffic channel for subscriber units

having the lowest priority level; and

circuitry configured to create a queue of detected requests from subscriber

units with the lowest priority level to ensure that subscriber units with the lowest

priority level are allocated the at least one traffic channel at predetermined times.

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